

This Page Is Inserted by IFW Operations
and is not a part of the Official Record

BEST AVAILABLE IMAGES

Defective images within this document are accurate representations of the original documents submitted by the applicant.

Defects in the images may include (but are not limited to):

- BLACK BORDERS
- TEXT CUT OFF AT TOP, BOTTOM OR SIDES
- FADED TEXT
- ILLEGIBLE TEXT
- SKEWED/SLANTED IMAGES
- COLORED PHOTOS
- BLACK OR VERY BLACK AND WHITE DARK PHOTOS
- GRAY SCALE DOCUMENTS

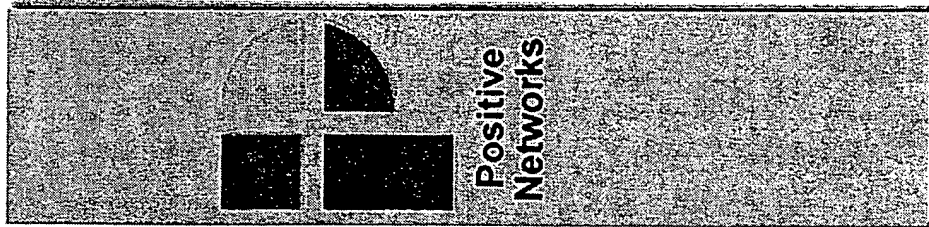
IMAGES ARE BEST AVAILABLE COPY.

**As rescanning documents *will not* correct images,
please do not report the images to the
Image Problem Mailbox.**

https://secure.positivenetworks.net/ - Microsoft Internet Explorer

File Edit View Favorites Tools Help

Address <https://secure.positivenetworks.net/>



Please Login

User Name:

Password:

Login

Admin Tool



Group: Product Design > Group Properties

[Group Properties | Add User | Delete Group | Send Broadcast Email]

- + Positive Networks
- Vertex Networks
- + Accounting
- + Alpha
- + AT&T Managed Services
- + Bell South
- + Commercial Lending
- + ComScore
- + Corporate
- + Customer Care
- + Equipment Exchange
- + Finance
- + Human Resources
- + Legal
- + Marketing
- + NetCadence
- **Product Design**
 - ccwtest2
 - cwren
 - joecoolvertex
 - joesmith
 - Louvertex
 - testuser2
 - tophervertex
 - tophervertex1
 - tophervertex2
 - tophervertex3
 - + Sales
 - + Software Testing
 - + Sprint
 - + Systems Development
 - + Technology Services
 - + Trust
 - + UMKC

Group Properties

Group Name: Product Design

Users: 10

Coming soon: creation date, location, description.

Save Changes

Group Admins

- tophervertex (Topher Wren) topher.wren@exchange.positivenetworks.net
- topheradmin (Topher Wren) [No email address setup]
- tophervertex1 (Topher Wren) [No email address setup]



- + Positive Networks
 - **Vertex Networks**
 - + Accounting
 - + Alpha
 - + AT&T Managed Services
 - + Bell South
 - + Commercial Lending
 - + ComScore
 - + Corporate
 - + Customer Care
 - + Equipment Exchange
 - + Finance
 - + Human Resources
 - + Legal
 - + Marketing
 - + NetCadence
 - Product Design
 - ccwtest2
 - cwren
 - joecoolvertex
 - joesmith
 - Louvertex
 - testuser2
 - tophervortex
 - tophervortex1
 - tophervortex2
 - tophervortex3
 - + Sales
 - + Software Testing
 - + Sprint
 - + Systems Development
 - + Technology Services
 - + Trust
 - + UMIKC

[Company Properties | Add Group | Send Broadcast Email | Network Entities | Queued Files]

Company Summary

Vertex Networks:

22 Groups 103 Users N/A Corp Gateways

Company Admins

evanvertex (Conway Evan) [No email address setup]

[Online Users Report](#)



- + Positive Networks
- Vertex Networks
 - + Accounting
 - + Alpha
 - + AT&T Managed Services
 - + Bell South
 - + Commercial Lending
 - + ComScore
 - + Corporate
 - + Customer Care
 - + Equipment Exchange
 - + Finance
 - + Human Resources
 - + Legal
 - + Marketing
 - + NetCadence
 - Product Design
 - ccwtest2
 - cwren
 - jeccoovertex
 - joesmith
 - Louvertex
 - testuser2
 - tophervertex**
 - tophervertex1
 - tophervertex2
 - tophervertex3
 - + Sales
 - + Software Testing
 - + Sprint
 - + Systems Development
 - + Technology Services
 - + Trust
 - + UMKC

[User Properties | Authentication Setup | Change Group | Delete User | Send Broadcast Email]

User Properties		Admin Access Control	
User Name:	tophervertex	Positive Master Admin:	No
First Name:	Topher	Positive Admin for Customers:	Erucos
Middle Name:	X		Sprint BWM
Last Name:	Wren		UMB Bank
Company:	Vertex Networks		Rockhurst University
Member of group:	Product Design		Adams Street Partners
Created:	2001-10-22 09:24:04		(hold CTRL to select/deselect multiple)
Created By:	cassidyvertex	Company Admin:	No
Last Modified:	2001-12-10 16:45:16	Group Admin for:	Sales
Last Modified By:	tophervertex		Sprint
Click here for more properties			Trust
			Legal
			Corporate
			(hold CTRL to select/deselect multiple)
Save Changes		Reset Form	

User: tophervertex > User Properties

- + Positive Networks
- Vertex Networks
 - + Accounting
 - + Alpha
 - + AT&T Managed Services
 - + Bell South
 - + Commercial Lending
 - + ComScore
 - + Corporate
 - + Customer Care
 - + Equipment Exchange
 - + Finance
 - + Human Resources
 - + Legal
 - + Marketing
 - + NetCadence
 - Product Design
 - ccwtest2
 - cwren
 - joecoolvertex
 - joesmith
 - Louvertex
 - testuser2
 - tophervertex**
 - tophervertex1
 - tophervertex2
 - tophervertex3
 - + Sales
 - + Software Testing
 - + Sprint
 - + Systems Development
 - + Technology Services
 - + Trust
 - + UMKC

State/Province:

Zip/Postal Code:

Country:

Contact Numbers

Work Phone:

Home Phone:

Mobile Phone:

Pager:

ISP Information

Reported ISP:

Derived ISP:

Email Addresses

Primary Email:

Work Email:

Home Email:

Pager Email:

Mobile Email:

Save Changes

Reset Form



User: tophervortex > Policy Values

Positive Networks

- + Positive Networks
- Vertex Networks
- + Accounting
- + Alpha
- + AT&T Managed Services
- + Bell South
- + Commercial Lending
- + ComScore
- + Corporate
- + Customer Care
- + Equipment Exchange
- + Finance
- + Human Resources
- + Legal
- + Marketing
- + NetCadence
- Product Design
- ccwtest2
- cwren
- joecoolvertex
- joesmith
- Louvertex
- testuser2
- tophervortex**
- tophervortex1
- tophervortex2
- tophervortex3
- + Sales
- + Software Testing
- + Sprint
- + Systems Development
- + Technology Services
- + Trust
- + UMKC

Policies

Antivirus

Antivirus must be running while signed on ☒ Yes

Instant response to virus infection ☒ Yes

Update virus definitions at sign-on ☒ Yes

Application Distribution

Available Applications [Distributing 7 application\(s\)](#)

Client Registry Propagation [0 key\(s\), 2 value\(s\)](#)

Queued Files [\[Click to assign\]](#)

Authentication

Authentication Settings [Standard](#)

Password Complexity [Eight, Numbers](#)

Desktop Environment

Bookmarks [7 Bookmarks](#)

Desktop Wallpaper [positive.bmp, TILE, BLACK](#)

Shortcuts [\[Click to assign\]](#)

File Backup

Maximum Storage Size [100 MB](#)



- + Positive Networks
 - Vertex Networks
 - + Accounting
 - + Alpha
 - + AT&T Managed Services
 - + Bell South
 - + Commercial Lending
 - + ComScore
 - + Corporate
 - + Customer Care
 - + Equipment Exchange
 - + Finance
 - + Human Resources
 - + Legal
 - + Marketing
 - + NetCadence
 - Product Design
 - ccwtest2
 - cwren
 - joecoolvertex
 - joesmith
 - Louvertex
 - testuser2
 - tophervertex**
 - tophervertex1
 - tophervertex2
 - tophervertex3
 - + Sales
 - + Software Testing
 - + Sprint
 - + Systems Development
 - + Technology Services
 - + Trust
 - + UMKC

VPN Client: User Routes

Value may be changed and is assigned directly at this level.

Add a new subnet route:

Subnet:

Netmask:

Gateway:

☐ Disable Split Tunnel

Subnet	Netmask	Gateway	Action
10.0.0.0	255.0.0.0	USER GATEWAY	<input type="button" value="Remove"/>

☐ Value is locked

Policy Values | Policy Set Management |

Policy Sets

Policy Values | Create Policy Set | Modify Associations | Add Policy | Rename Policy Set | Delete Policy Set

Policy Set Management

- Alternate Home Page
- Boston Default Policy Set
- Default System Policy Set
- Executive Default Policy Set
- Kansas City Policy Set
- Los Angeles
- Marketing Department
- McAfee Registry Values
- Radius - Dev
- Software QA policies
- Software Testing Policies
- Supervisors System Default Policy Set
- Topher's Policy set test
- UMB SecuID (positive/2222)
- Vertex Networks System Default Policy Set

Active Policy Set: Software Testing Policies

Below are the places where this policy set is associated. Modifying this on this page will affect all associated entities.

Company-wide

☐ Policy is applied company-wide.

Groups

Associated	Unassociated
Customer Care	Accounting
>>	Alpha
<<	AT&T Managed Services
	Bell South
	Commercial Lending
	ComScore
	Corporate
	>

Users

Associated	Unassociated
	ehollister (Bell South)
>>	enita (Legal)
<<	aveitch (Sprint)
	bchvarte (Bell South)
	bethk (Technology Services)
	bill (Marketing)
	billr (Corporate)
	>

Save Associations

User: tophervertex > Reports > Authentication History

Authentication History for 12/01/2002 to 12/13/2002

[Back](#)

User	Group	Computer	IP Address	Service	Signon	Signoff	Authentication	Elapsed	Disconnect Reason
tophervertex	Product Design	n/a	209.242.113.106	WebTop	12/03/2002 16:58:13	12/03/2002 16:58:57	Successful	0 min	Inactivity
tophervertex	Product Design	n/a	209.242.113.106	WebTop	12/06/2002 13:55:03	12/06/2002 14:03:28	Successful	8 min	Inactivity
tophervertex	Product Design	n/a	209.242.113.106	WebTop	12/06/2002 15:11:11	12/06/2002 15:11:50	Successful	0 min	Inactivity
tophervertex	Product Design	n/a	209.242.113.106	WebTop	12/06/2002 15:45:45	12/06/2002 15:46:12	Successful	0 min	Inactivity
tophervertex	Product Design	n/a	209.242.113.106	WebTop	12/06/2002 16:45:59	12/06/2002 16:46:21	Successful	0 min	Inactivity
tophervertex	Product Design	TOPHER-DESK	10.1.0.19	VPN Client	12/06/2002 18:00:10	12/06/2002 18:13:09	Successful	12 min	Client Signoff
tophervertex	Product Design	n/a	209.242.113.106	WebTop	12/13/2002 12:47:03	12/13/2002 12:47:03	Successful	0 min	Inactivity

Signon Statistics

Total VPN Signons:	1
Total Webtop Signons:	6
Total Signons:	7
Distinct Users:	1
Average VPN Session Length:	12 min
Average Webtop Session Length:	1 min
Overall Average Session Length:	3 min
VPN Man Hours:	12 min
Webtop Man Hours:	10 min
Total Man Hours:	22 min

Webtop - Microsoft Internet Explorer

File Edit View Favorites Tools Help

Address <https://webtop.positivenetworks.net/main.pl?pvwsh=f0fd87c1cabba8da3fd72c57bf1c401f8pvwsh=14158pvwsh=42f1c2552d8a496fafe7d51081>



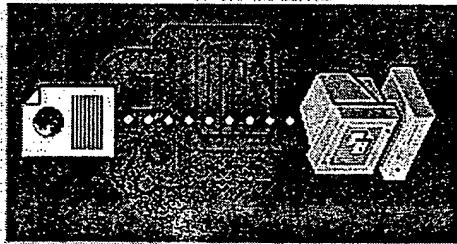
Positive Networks
Enabling work beyond the office

File Shares | Intranet | E-mail | Remote Desktop | Preferences | Logout | Help

Webtop

<p>Intranet</p> <p>Address: <input type="text"/> Go</p> <p>Your current homepage is: http://intranet.vertexnetworks.net</p> <p>Most used bookmarks:</p> <ul style="list-style-type: none"> - Health Center - Positive Networks - Jobs - Policy Manager - ERP system <p>More...</p>	<p>File Shares</p> <p>Recently used file shares:</p> <p>(W:) \\exchange\\vertexfiles\\</p> <p>(X:) \\exchange\\operations\\</p> <p>More...</p>
<p>E-mail</p> <p>Access your E-Mail: Outlook Web Access</p>	<p>Remote Desktop</p> <p>Click on a computer to connect to a remote desktop:</p> <p>Vertex PC</p> <p>Install a Remote Desktop Agent More...</p>

Security Warning



Do you want to install and run
"https://webtop.positivenetworks.net/webtopActiveX.ocx"
signed on 11/21/2002 1:26 PM and distributed by:

Positive Networks, Inc.

Publisher authentically verified by Thawte Server CA

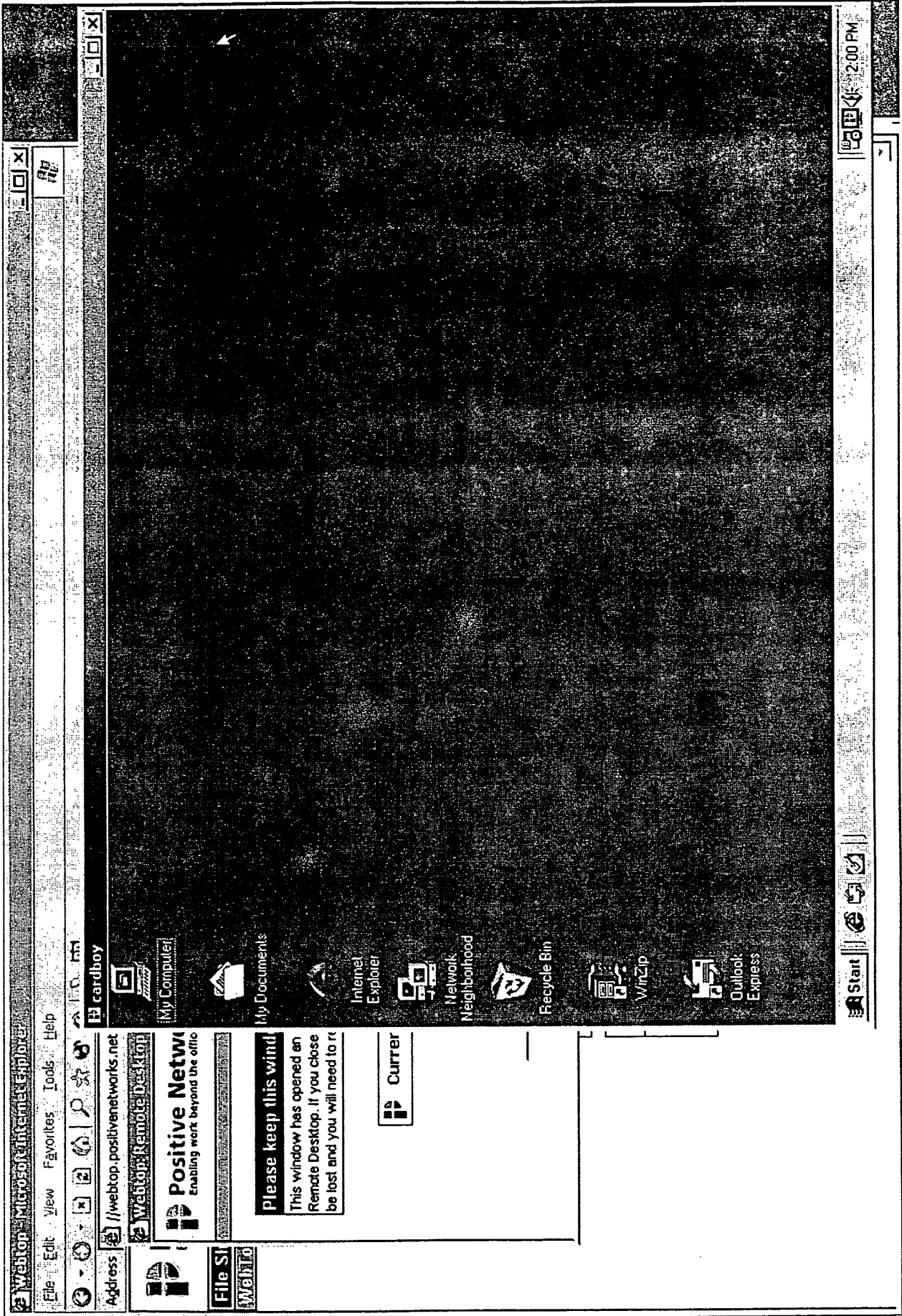
Caution: Positive Networks, Inc. asserts that this content is
safe. You should only install/view this content if you trust
Positive Networks, Inc. to make that assertion.

☐ Always trust content from Positive Networks, Inc.

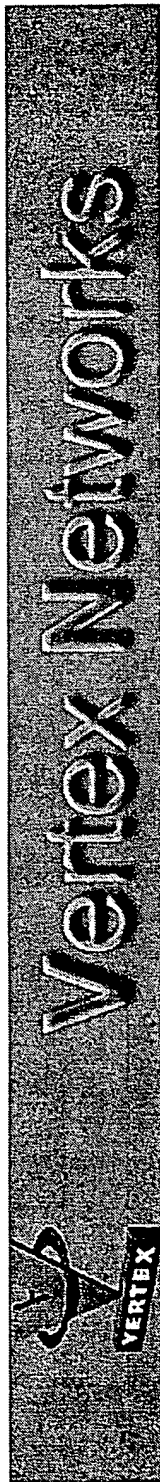
Yes

No

More Info



Address: <http://intranet.vertexnetworks.net>



Search the site:

Advanced Search

[Departments](#) | [E-mail Directory](#) | [Phone Directory](#) | [Vertex Jobs](#) | [Calendar](#)

FEATURED ITEMS:



Weather

Overland Park, KS	41-52 F
Kansas City, MO	46-55 F

Market Indices

DJIA	9894.81	+6.44
NASDAQ	2011.38	+9.45
S&P 100	580.37	+1.05
S&P 500	1137.07	+0.31

Vertex Resources

[Previews](#)

Vertex Newsletter

[The Vortex](#)

Vertex Employees

Hot Topics

[Exciting new topics!](#)

Employee Benefits

[Flex enrollment, 401\(k\) balance, more...](#)

Employee Forms

[Medical enrollment, Medical changes, more...](#)

Employee Policies

[Salary schedule, Holiday schedule, more...](#)

Training Opportunities

[E-Procurement, Course schedule, more...](#)

Professional Development

[School admin., more...](#)

Purchasing / Services

[Correction Enterprises, IT contracts, more...](#)

Personal Finances

Wednesday, December 12, 2001

Vertex News

[Press Releases](#), [Media References](#), [more...](#)

Vertex Jobs

[Job opportunities](#), [Job application](#), [more...](#)

PC Purchase Program

[Overview](#), [Financing](#), [more...](#)

Local Weather

[Nat'l weather service](#), [more...](#)

Profile / Recognition

[Incentive Program](#), [more...](#)

Employee Supervision

[Reward employees](#), [Evaluations](#), [more...](#)

Vertex Document Index

[Contract Repository](#), [Retention guidelines](#), [more...](#)

File Share Browser: Connected - Microsoft Internet Explorer

File Edit View Favorites Tools Help

Address: https://webtop.positivenetworks.net/main.pl?pvwsh=f0fd87c1ca0ba8da3fd72c57bf1c401f8pvws1=14158&act=browseShareDir&pvmodule=FileShares&pvserverName=...

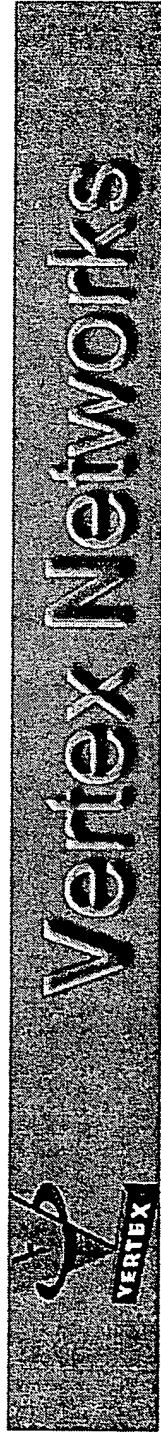


File Shares | Intranet | E-mail | Remote Desktop | Preferences | Logout | Help

Webtop > File Shares > \exchange\vertexfiles

File Share Browser: \\exchange\vertexfiles\

Refresh	Delete	Create Folder	Cut	Copy	Paste	Rename	Filename:	Browse...	Upload File
Name									
		cassidy							Size Date Modified
		stuff							2/25/2002 11:39 PM
		test							2/4/2002 9:31 AM
		wag							2/19/2002 8:26 PM
		Shortcut to homebackup.lnk							1/28/2002 11:27 PM
		tutorial.doc							0 KB 4/15/2002 10:21 AM
		Vertex Networks Software QA(2).doc							24 KB 10/1/2001 9:01 PM
		Vertex Networks Software QA(3).doc							29 KB 2/18/2002 10:48 AM
		VertexLogo.doc							25 KB 10/2/2002 10:16 PM
									38 KB 12/1/2001 11:21 AM
Refresh	Delete	Create Folder	Cut	Copy	Paste	Rename			



Search the site:

Advanced Search

[Departments](#) | [E-mail Directory](#) | [Phone Directory](#) | [Vertex Jobs](#) | [Calendar](#)

Wednesday, December 12, 2001

Vertex Employees

FEATURED ITEMS:



Weather

Overland Park, KS	41-52 F
Kansas City, MO	46-55 F

Market Indices

DJIA	9894.81	+6.44
NASDAQ	2011.38	+9.45
S&P 100	580.37	+1.05
S&P 500	1137.07	+0.31

Vertex! Resources

[Previews](#)

Vertex Newsletter

[The Vortex](#)

Hot Topics

[Exciting new topics!](#)

Employee Benefits

[Flex enrollment, 401\(k\) balance, more...](#)

Employee Forms

[Medical enrollment, Medical changes, more...](#)

Employee Policies

[Salary schedule, Holiday schedule, more...](#)

Training Opportunities

[E-Procurement, Course schedule, more...](#)

Professional Development

[School admin., more...](#)

Purchasing / Services

[Correction Enterprises, IT contracts, more...](#)

Personnel Finances

Vertex News

[Press Releases](#), [Media References](#), [more...](#)

Vertex Jobs

[Job opportunities](#), [Job application](#), [more...](#)

PC Purchase Program

[Overview](#), [Financing](#), [more...](#)

Local Weather

[Nat'l weather service](#), [more...](#)

Profile / Recognition

[Incentive Program](#), [more...](#)

Employee Supervision

[Reward employees](#), [Evaluations](#), [more...](#)

Vertex Document Index

[Contract Repository](#), [Retention guidelines](#), [more...](#)

Please keep this window open during your session

This window has opened an encrypted connection, allowing you to browse Intranet websites. If you close this window, your Intranet connection will be lost and you will need to reestablish it to continue browsing Intranet websites.

 **Currently Connected**

Signoff

If your website does not load:

Some browsers do not allow or are not capable of running ActiveX controls, which is Positive Network's primary method of accessing Intranet websites. If the website you are trying to access is not loading, please [click here](#) to use our alternative method of accessing the website.

Close this window

New	Reply	Reply to all	Forward		X		View	Messages
Jason Sloderbeck - Inbox								
!	0	From	Subject	Received	Size			
0	0	System Administrator	Undeliverable: Testing e-mail from @vertexne	Fri 5/17/2002 4:28 PM	2 KB			
0	0	System Administrator	Undeliverable: Testing e-mail from @vertexne	Fri 5/17/2002 4:26 PM	2 KB			
0	0	Administrator	Delivery Status Notification (Delay)	Thu 5/16/2002 4:36 AM	3 KB			
0	0	Administrator	Delivery Status Notification (Delay)	Thu 5/16/2002 4:27 AM	2 KB			
0	0	System Administrator	Undeliverable: e-mail post l2tp mtu change	Sat 5/11/2002 11:05 AM	2 KB			
0	0	Jason Sloderbeck	Testing build #85	Fri 5/10/2002 12:56 PM	701 B			
0	0	Administrator	Delivery Status Notification (Delay)	Thu 5/9/2002 10:58 PM	2 KB			
0	0	Jason Sloderbeck	jason@vertexnetworks.net	Fri 4/26/2002 1:30 PM	704 B			
0	0	System Administrator	Undeliverable: test to/from jason@vertexnetv	Wed 4/17/2002 11:32 AM	1 KB			
0	0	Administrator	Delivery Status Notification (Delay)	Mon 4/15/2002 11:25 PM	2 KB			
0	0	Jason Sloderbeck	test to/from jason@vertexnetworks	Mon 4/15/2002 11:24 AM	1 KB			
0	0	System Administrator	Undeliverable: hav	Wed 4/3/2002 10:36 AM	1 KB			

From: Administrator
To: Jason Sloderbeck
Subject: Delivery Status Notification (Delay)
Cc:

This is an automatically generated Delivery Status Notification

THIS IS A WARNING MESSAGE ONLY.

YOU DO NOT NEED TO RESEND YOUR MESSAGE.

Delivery to the following recipients has been delayed.

Jasonsloderbeck@hotmail.com



Preferences

Overview:

Below are a list of preferences which are available to you. Preferences which have the 'reset' link are extensions of policies set by your organization. Clicking the reset link will remove your preference settings and revert back to the value set by your organization. Items that are black instead of blue are read only and may not be changed.

Preference

☐ ktop Wallpaper: Background Image 'positive.bmp' with TILE orientation, Background Color DARK RED

Intranet Acc s Method: Alternative

Reset

Reset

Reset

Webtop: Intranet interface: Main - Microsoft Internet Explorer

File Edit View Favorites Tools Help

Address <https://webtop.positivenetworks.net/main.pl?pvwsh=f0f4b7c1ca0ba8da3fd72c57bf1c401f8pvwsj=1415&module=intranet>



File Shares | Intranet | E-mail | Remote Desktop | Preferences | Logout | Help

Webtop > Intranet

Browse the Intranet

Address:

Homepage

Your current homepage is:
<https://intranet.vertexnetworks.net>

Corporate Bookmarks

6 corporate bookmarks

- ☐ Positive Networks
- ☐ Policy Manager
- ☐ Positive Networks
- ☐ Vertex Web Pages
- ☐ ERP system
- ☐ Health Center
- ☐ Jobs
- ☐ Promotions

Personal Bookmarks

[Manage Bookmarks](#)

0 personal bookmarks



Positive Networks

Enabling work beyond the office


File Shares

Click on a file share below to connect

File Share	Username
(W:) \\exchangel\vertex\files\	evan
(X:) \\exchangel\operations\	evan

Connect to a New File Share

Please enter the information below to access a file share

Server Address	<input type="text"/>
Share Name	<input type="text"/>
Share Username	<input type="text"/>
Share Password	<input type="password"/>
<div> Connect</div>	

Webtop: Remote Desktop interface - Microsoft Internet Explorer

File Edit View Favorites Tools Help

Address <https://webtop.positivenetworks.net/main.pl?pVwsl=14158pVwsh=f0fd87c1ca0ba8da3fd72c57bfc401f&module=RemoteDesktop>



File Shares | Intranet | E-mail | Remote Desktop | Preferences | Logout | Help

Webtop > Remote Desktop

Access a Remote Desktop

Please click on a computer to connect to a Remote Desktop Agent.

Name	Last Access	Options
Vertex PC	12/13/2002 14:52 PM	[remove] [rename]
Install a new Remote Desktop Agent		

Manually Access a Remote Desktop

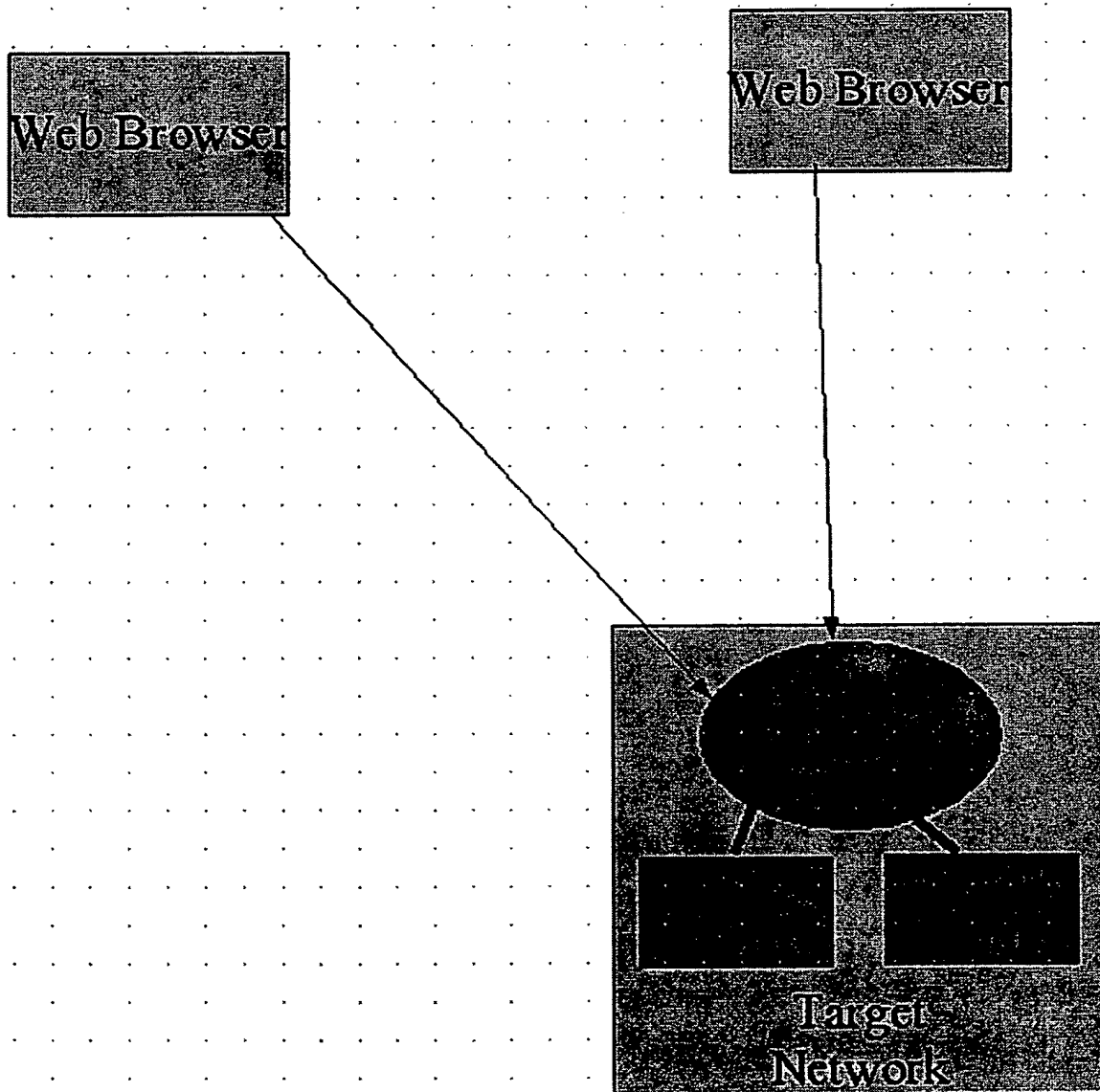
Please enter an address to connect to a Remote Desktop Agent or a VNC server.

Remote Desktop Agent address:
(eg: desktop.intranet.com or 123.2.32.1)

Remote Desktop Agent port:

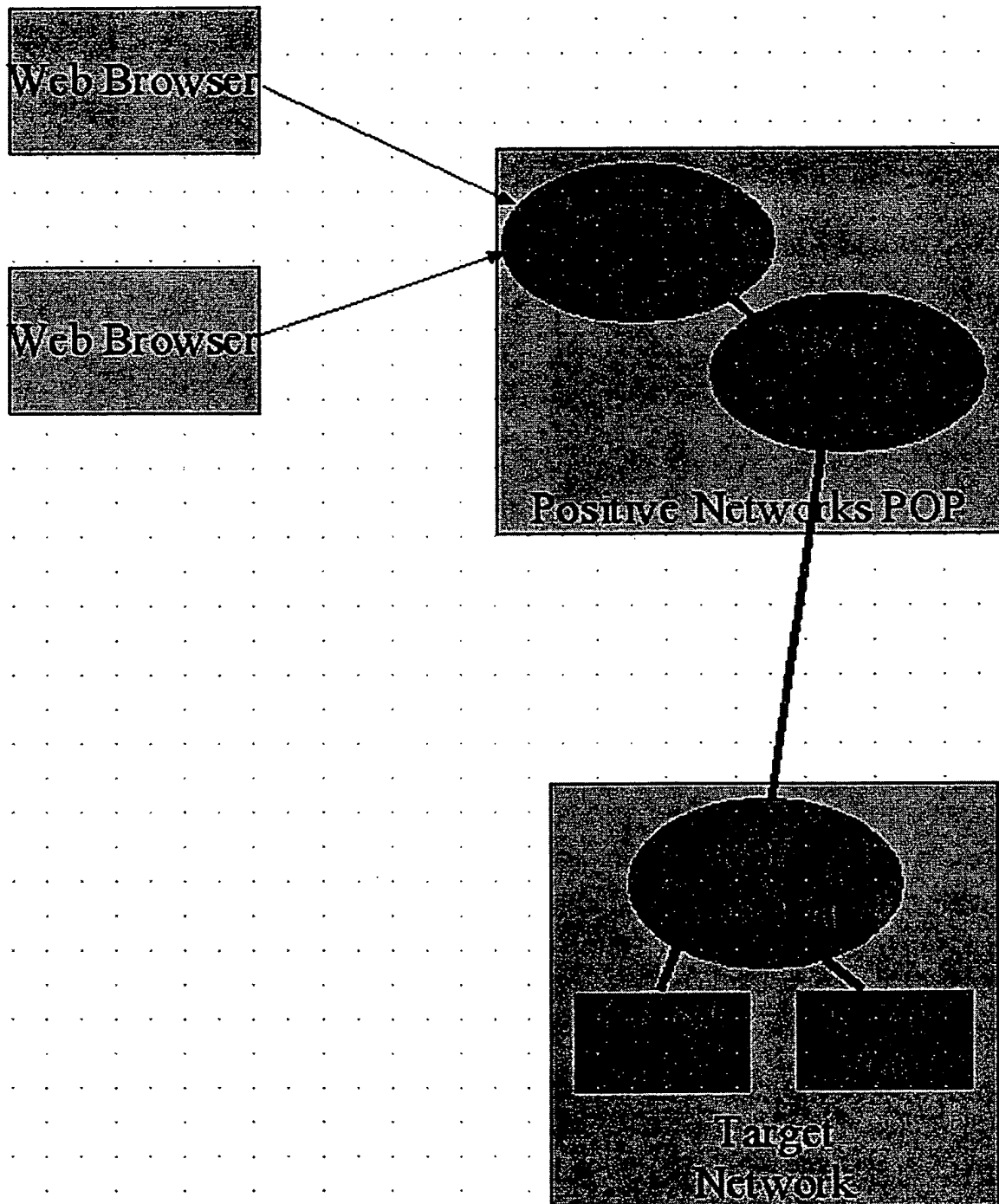
WebTop Implementation Methodology 2

In this implementation methodology, WebTop is installed on a server computer directly inside the target network. Implemented in this way, the Positive Networks POP-based Network Architecture is not needed. The end users directly connect to the target network with their web browsers.

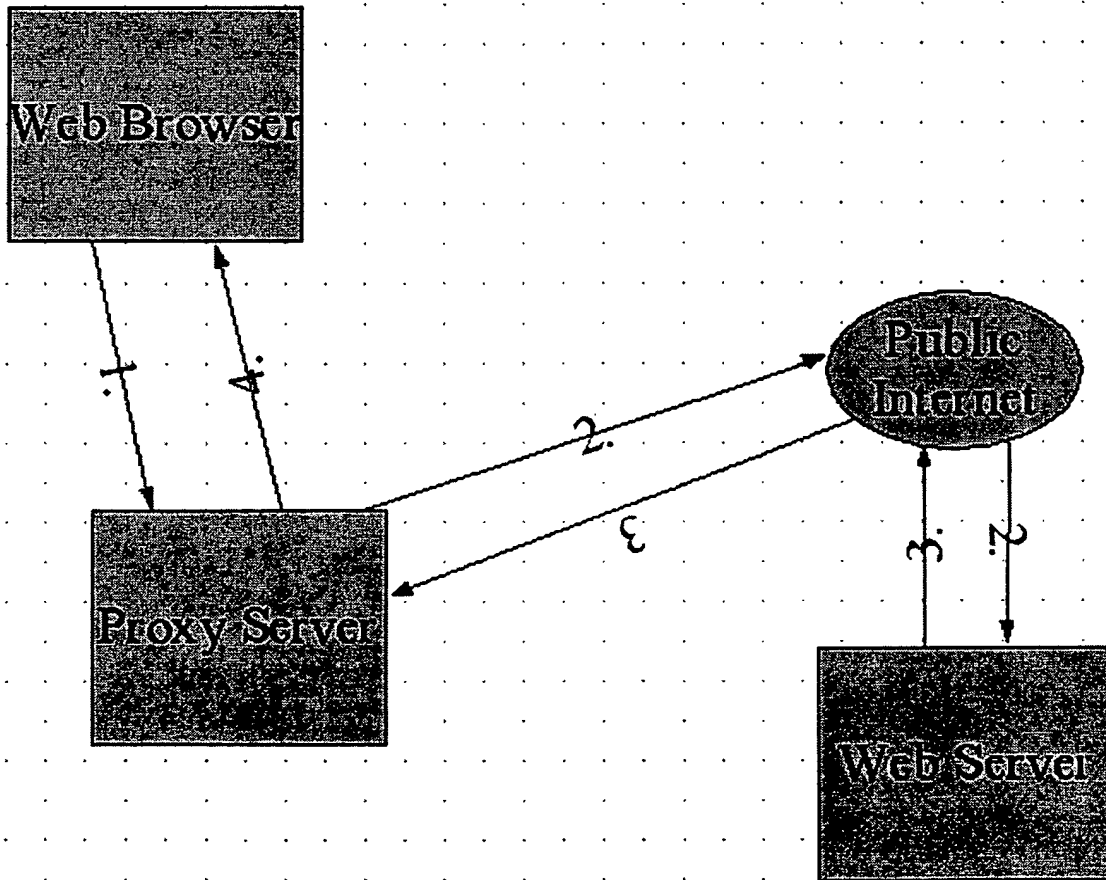
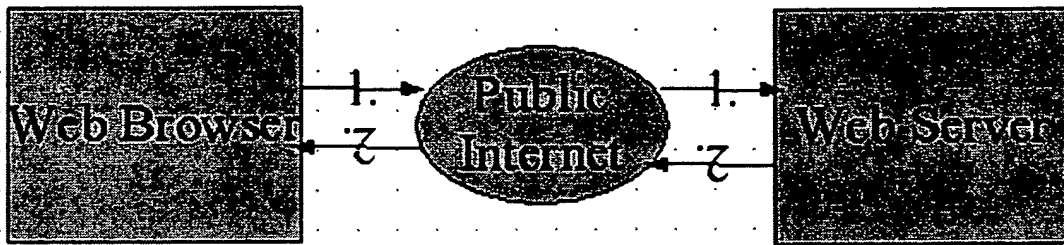


WebTop Implementation Methodology 1

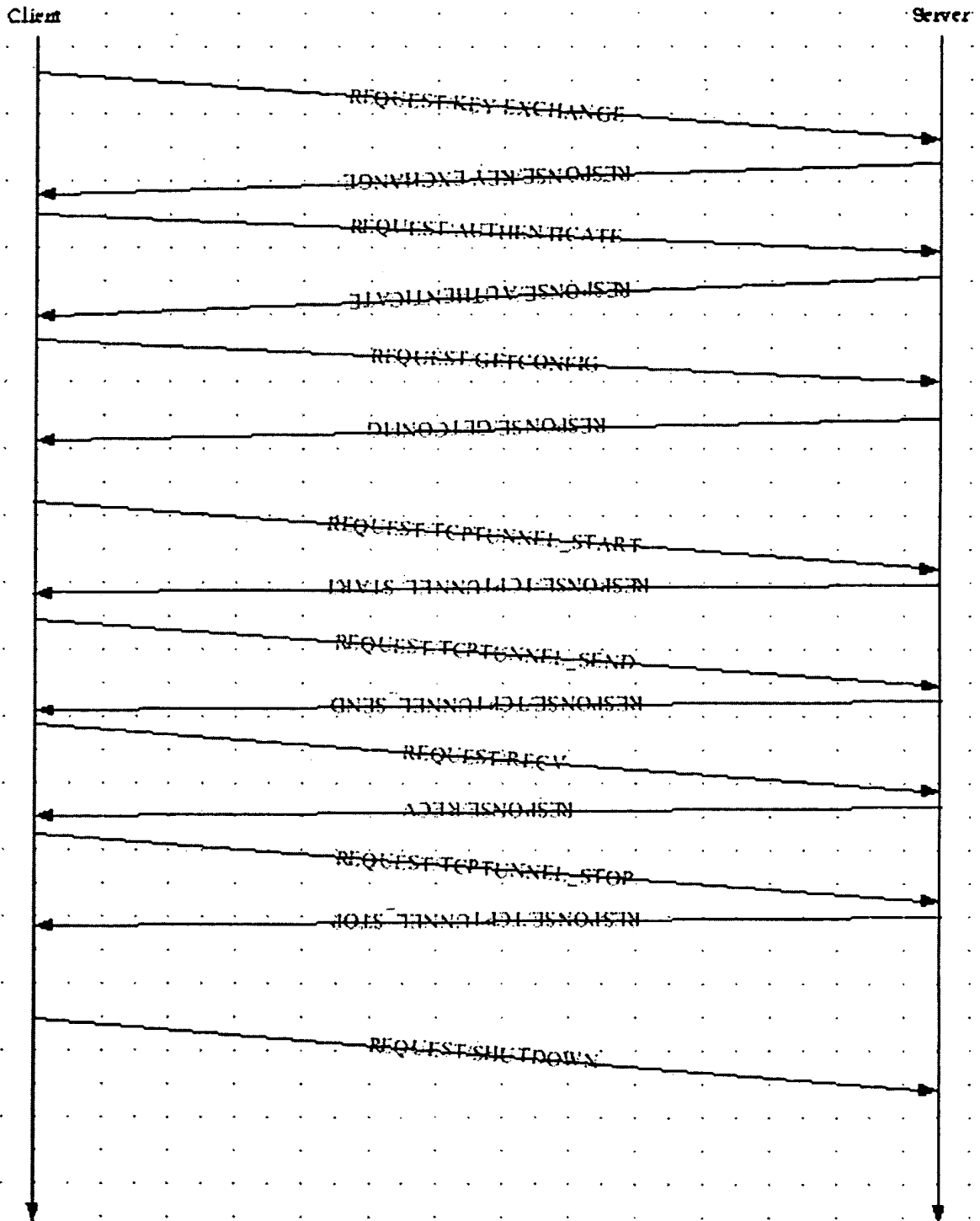
With this implementation methodology, WebTop is located at a POP. It is connected to target networks via standard Customer Connections, as described in the Network Architecture section of this document. Users connect to WebTop at a POP, which provides for all the benefits of the POP-based Architecture.



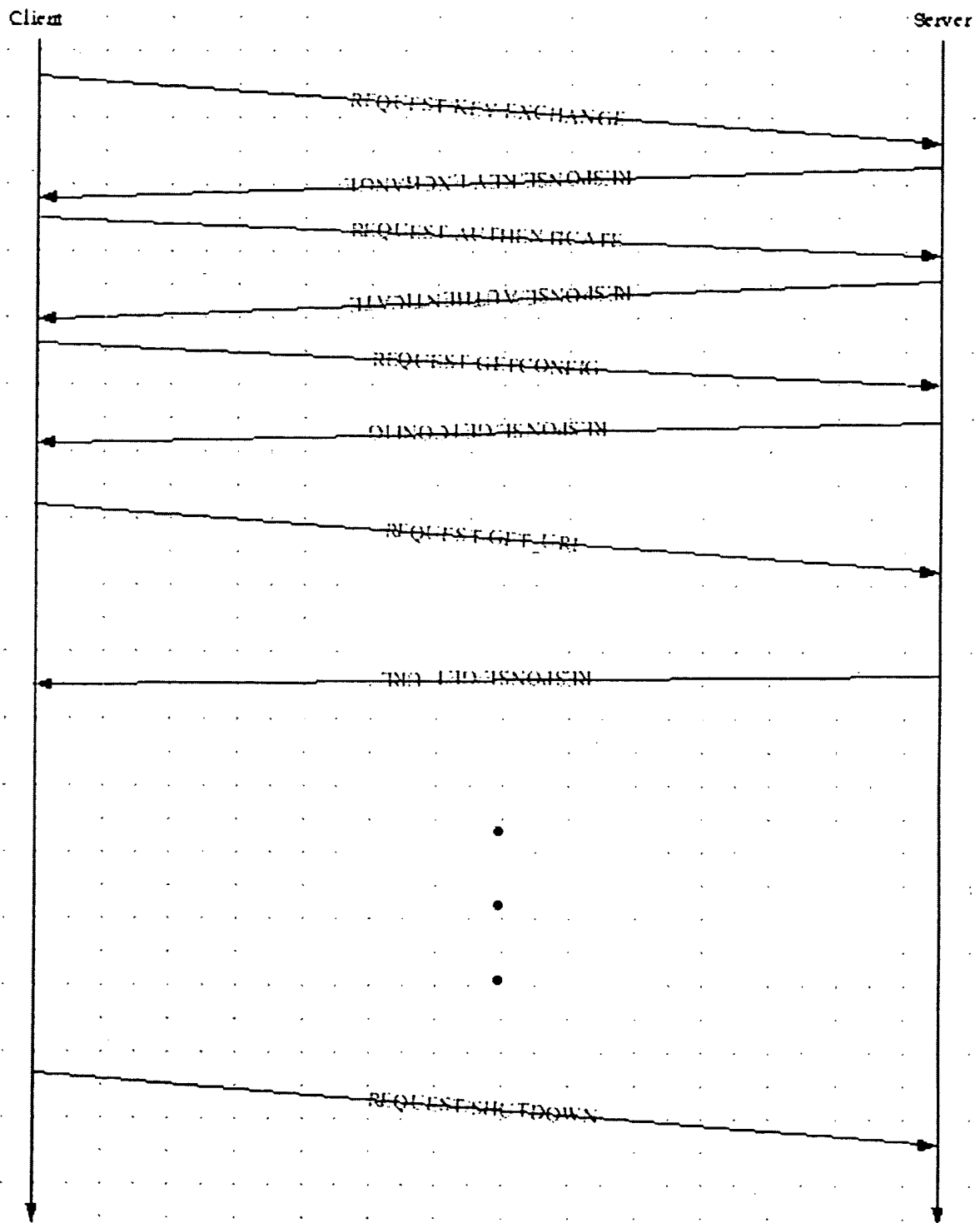
Web Browser Connection To Web Server With And Without Intermediate Proxy Server



WTP Protocol Flow Diagram With TCP Tunnels



WTP Protocol Flow Diagram



Positive Networks POP-Based Network Architecture

This implementation of the Positive Networks POP-Based Network Architecture allows for all of the benefits described in the corresponding section elsewhere in this document. WebTop and Network VPN users make direct connections to a POP, which in turn makes appropriate connections to target networks and target network resources.

